

General Information

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| Extended Product Type: | AF16-30-10-11 |
| Product ID: | 1SBL177001R1110 |
| EAN: | 3471523110618 |
| Catalog Description: | AF16-30-10-11 24-60V50/60HZ 20-60VDC Contactor |
| Long Description: | AF16 contactors are used for controlling power circuits up to 690 V AC and 220 V DC. They are mainly used for controlling 3-phase motors, non-inductive or slightly inductive loads. AF... contactors include an electronic coil interface accepting a wide control voltage U_c min. ... U_c max. Only four coils cover control voltages between 24...500 V 50/60 Hz or 20...500 V DC. AF contactors can manage large control voltage variations. One coil can be used for different control voltages used worldwide without any coil change. AF contactors have built-in surge protection and do not require additional surge suppressors. The AF... series 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 main poles, 1 built-in auxiliary contact, front and side-mounted add-on auxiliary contact blocks (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1, N.C. mirror contacts compliant with Annex F of IEC 60947-4-1) - Control circuit: AC or DC operated - Accessories: a wide range of accessories is available. Note: AF...-30...-11 not suitable for a direct control by PLC-output. AF...-30...-11 contactor type available in some countries: please consult your ABB representative. |

Categories

Products » Low Voltage Products and Systems » Control Products » Contactors » Block Contactors

Ordering

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| EAN: | 3471523110618 |
| Minimum Order Quantity: | 1 piece |
| Customs Tariff Number: | 85369085 |

Dimensions

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| Product Net Width: | 45.0 mm |
| Product Net Depth: | 77.0 mm |
| Product Net Height: | 86.0 mm |
| Product Net Weight: | 0.270 kg |

Container Information

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| Package Level 1 Units: | 1 piece |
| Package Level 1 Width: | 87 mm |
| Package Level 1 Length: | 79 mm |
| Package Level 1 Height: | 47 mm |
| Package Level 1 Gross Weight: | 0.27000 kg |
| Package Level 1 EAN: | 3471523110618 |
| Package Level 2 Units: | 54 piece |
| Package Level 3 Units: | 1296 piece |

Environmental

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| Ambient Air Temperature: | Close to Contactor for Storage -60...+80 °C Close to Contactor Fitted with Thermal O/L Relay -25 ... +60 °C Close to Contactor without Thermal O/L Relay -40 ... +70 °C |
| Maximum Operating Altitude Permissible: | 3000 m |
| Resistance to Shock acc. to IEC 60068-2-27: | Closed, Shock Direction: B1 25 g Open, Shock Direction: B1 5 g Shock Direction: A 30 g Shock Direction: B2 15 g Shock Direction: C1 25 g Shock Direction: C2 25 g |
| Resistance to Vibrations acc. to IEC 60068-2-6: | 5...300 Hz 4 g closed position / 2 g open position |
| RoHS Status: | Planned to follow EU Directive 2002/95/EC August 18, 2005 and amendment after 2008 Q1 |

Technical

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| Rated Operational Power AC-3 (P_g): | (220 / 230 / 240V) 4 kW (380 / 400V) 7.5 kW (415V) 9 kW (440V) 9 kW (500V) 9 kW (690V) 9 kW |
| Rated Operational Current AC-1 (I_g): | (690V) 40°C 30 A (690V) 60°C 30 A (690V) 70°C 26 A |

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| Number of Main Contacts NO: | 3 |
| Number of Main Contacts NC: | 0 |
| Number of Auxiliary Contacts NO: | 1 |
| Number of Auxiliary Contacts NC: | 0 |
| Rated Control Circuit Voltage (U _c): | 50 Hz 24...60 V 60 Hz 24...60 V DC Operation 20...60 V |
| Terminal Type: | Screw Terminals |

Technical UL/CSA

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| Tightening Torque UL/CSA: | Auxiliary Circuit 11 in-lb Control Circuit 11 in-lb Main Circuit 13 in-lb |
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Certificates and Declarations (Document Number)

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| CB Certificate: | CB_SE_70855M1 |
| CCC Certificate: | CCC_2010010304445624 |
| cUL Certificate: | UL_20091124-E312527-7-1 |
| Declaration of Conformity - CE: | 1SBD250164C3000 |
| DNV Certificate: | DNV_E12810 |
| EAC Certificate: | EAC_RU C-FR ME77 B01010 |
| GL Certificate: | GL_3786412HH |
| GOST Certificate: | GOST_POCCFR.ME77.B07175.pdf |
| LR Certificate: | LRS_1300087E1 |
| RINA Certificate: | RINA_ELE084013XG |
| RMRS Certificate: | RMRS_1400682124 |
| RoHS Information: | 1SBD251013E1000 |

Classifications

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| E-number: | 3211343 |
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